Electronic Supplementary Material (ESI) for Chemical Communications

Przewalskone: A Cytotoxic Adduct of a C_{23} Terpenoid and an Icetexane Diterpenoid via Hetero-Diels-Alder Reaction from *Salvia przewalskii*

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Supporting Information

List of Supporting Information

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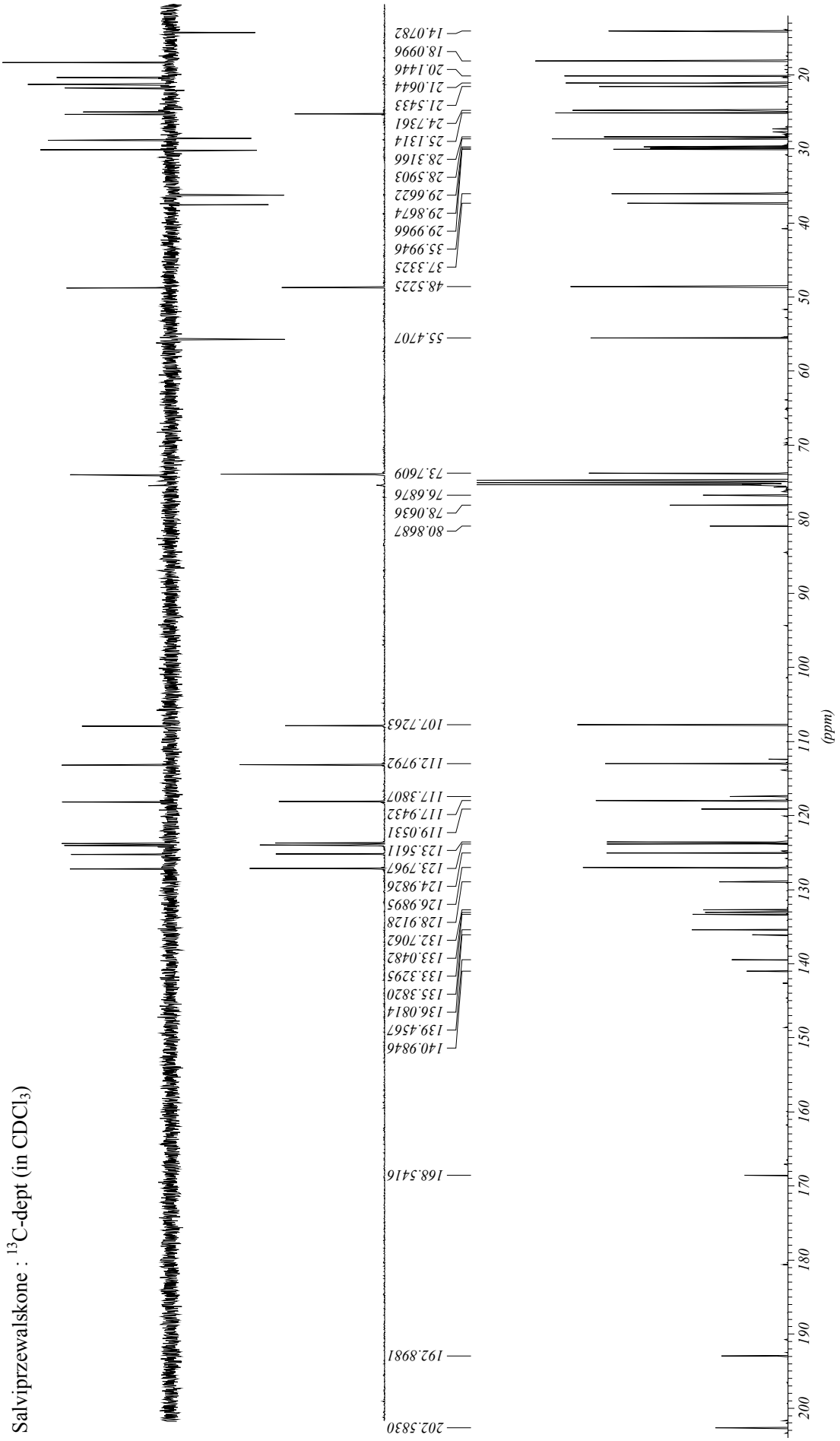
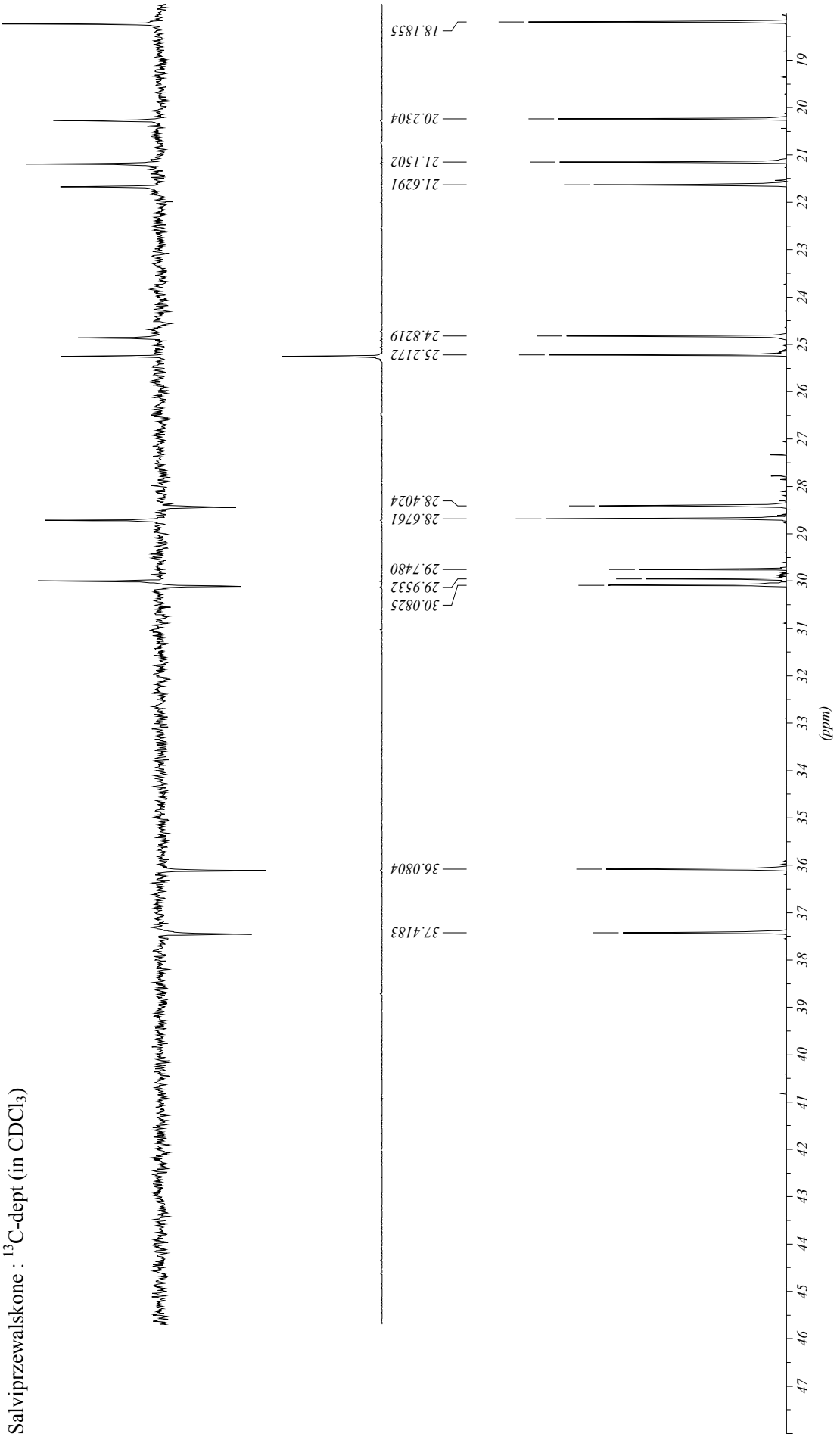
- Positive HRTOF-MS spectrum of **1**

Isolation procedures:

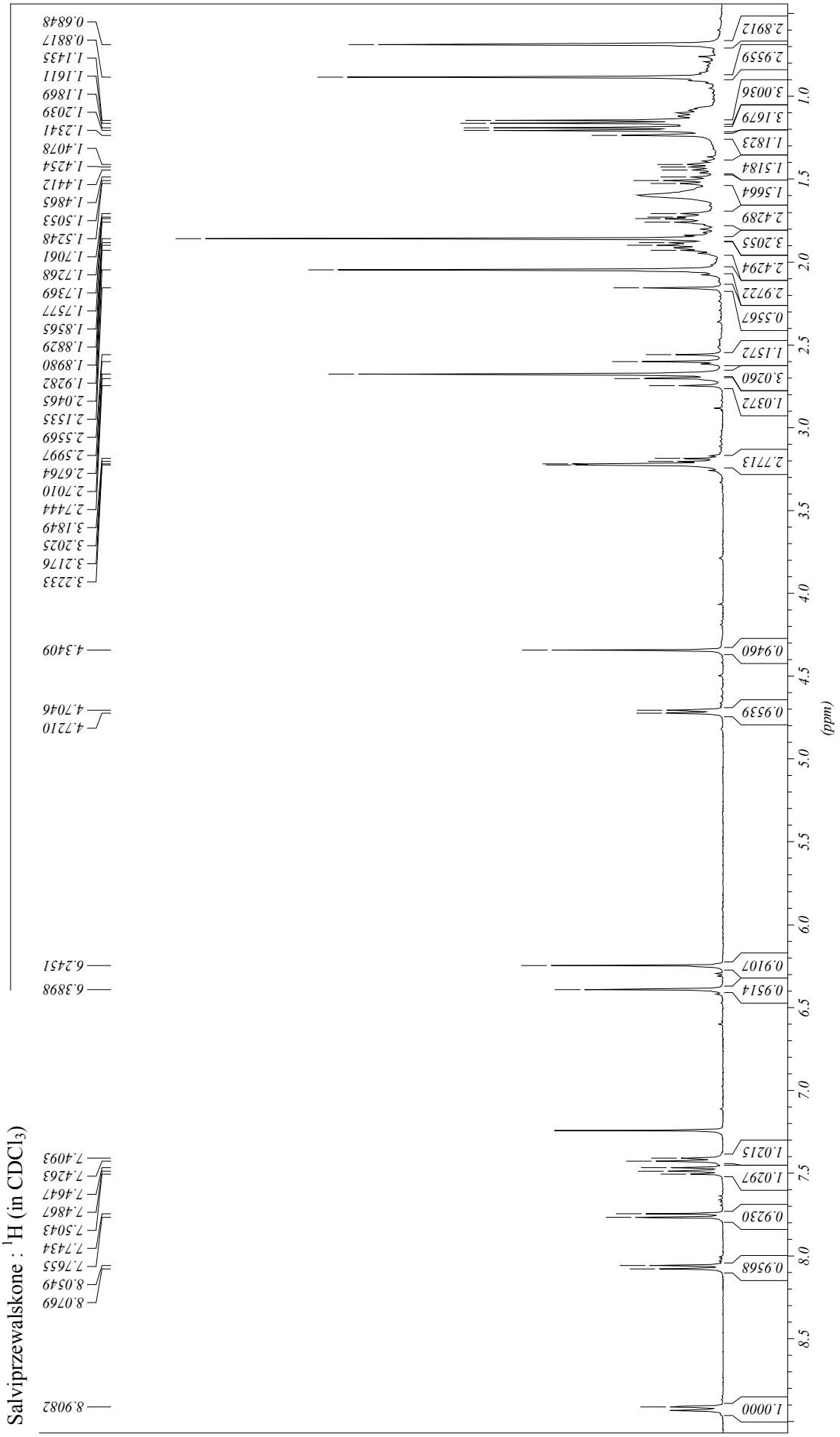
The roots of *S. przewalskii* were collected in Deqin county, Yunnan province, P. R. China, in September, 2008, and were identified by Prof. H. W. Li. The air-dried and powdered sample (6.0 kg) was extracted with acetone (12 L × 3) at room temperature, and the solvent was evaporated *in vacuo*. The residue (200g) was subjected to column chromatography over silica gel eluting with a gradient of acetone in petroleum ether (from 0:1 to 1:0) to afford six fractions (I–VI). Fraction III (16.5 g) was separated utilizing a preparative reversed-phase C_{18}–MPLC column with a gradient flow of 60–100% (V/V) aqueous MeOH to yield seven subfractions. The forth subfraction (308 mg) was further separated by preparative HPLC eluted with MeOH–H_2O (85:15) to give przewalskone (**1**, 6.0 mg).

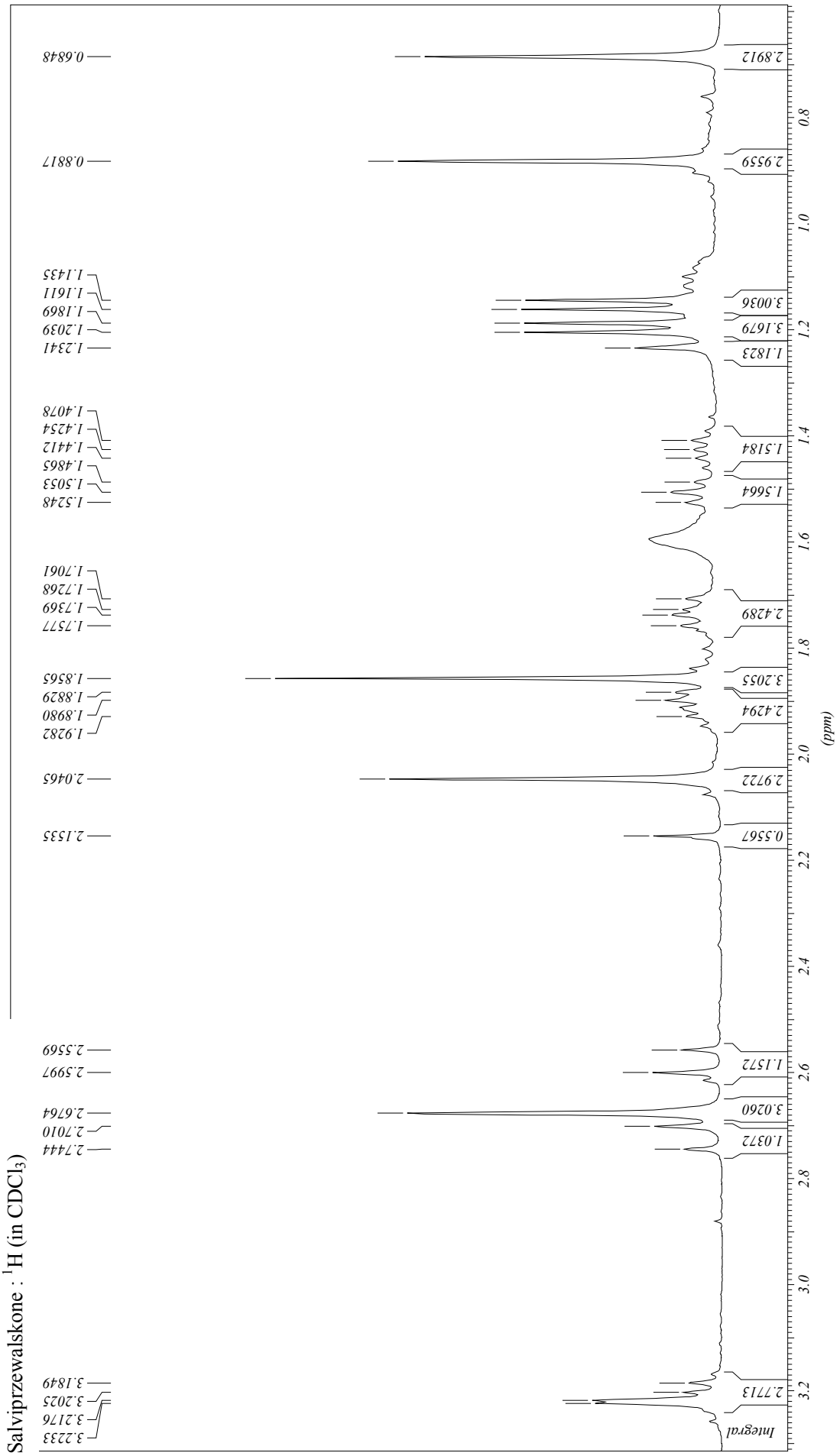


Salviprzewalskone : ^{13}C-dept (in $CDCl_3$)



Salviprzewalskone : ^{13}C-dept (in $CDCl_3$)




Salviprzewalskone : ^{1}H (in $CDCl_3$)
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1.4078
1.4254
1.4412
1.4865
1.5053
1.5248
1.7061
1.7268
1.7369
1.7577
1.8565
1.8829
1.8980
1.9282
2.0465
2.1535
2.5569
2.5997
2.6764
2.7010
2.7444
3.1849
3.2025
3.2176
3.2233
Integral
2.8912
2.9559
3.0036
3.1679
1.1823
1.5184
1.5664
2.4289
3.2055
2.4294
2.9722
0.5567
1.1572
3.0260
1.0372
2.7713
0.8
1.0
1.2
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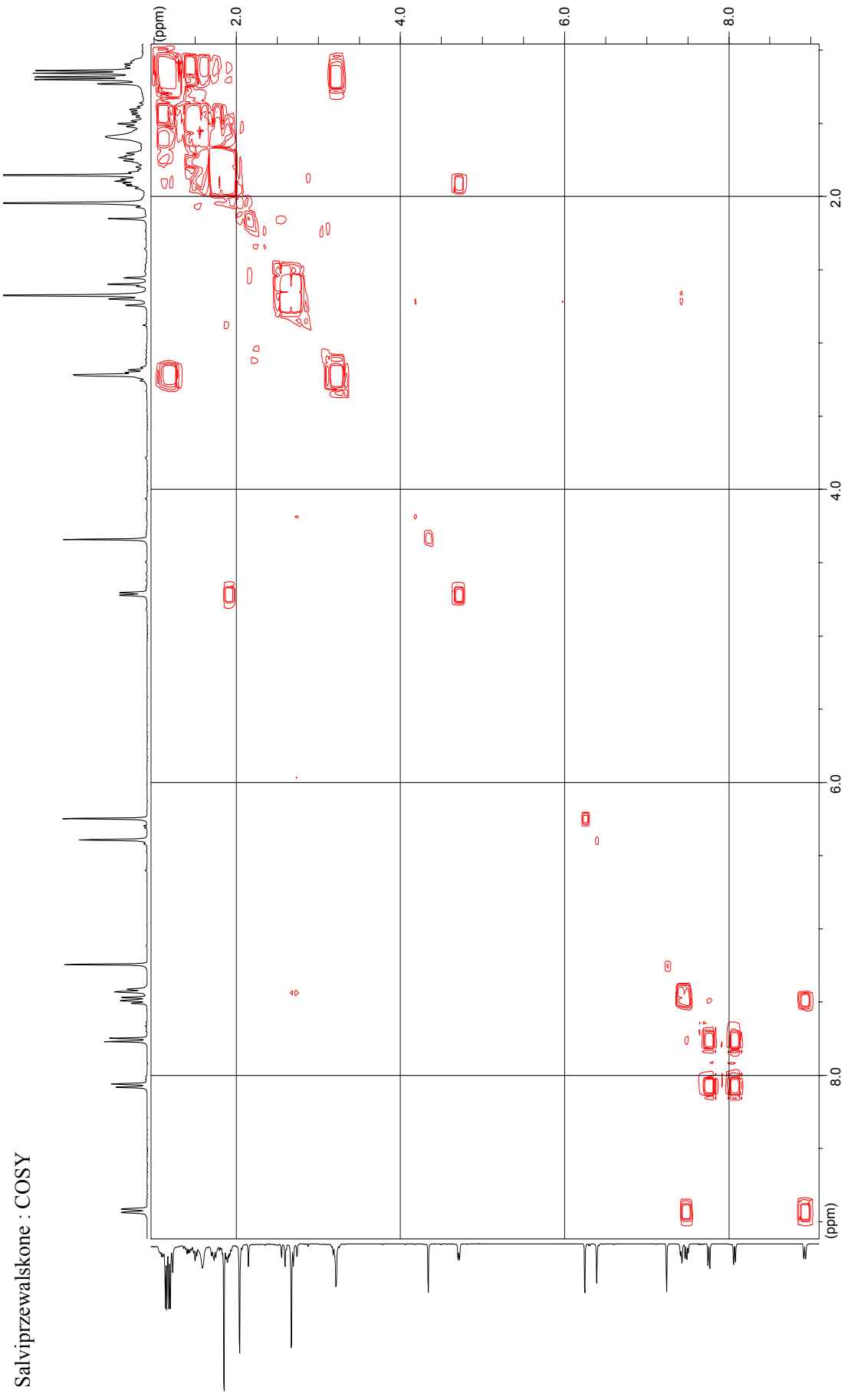
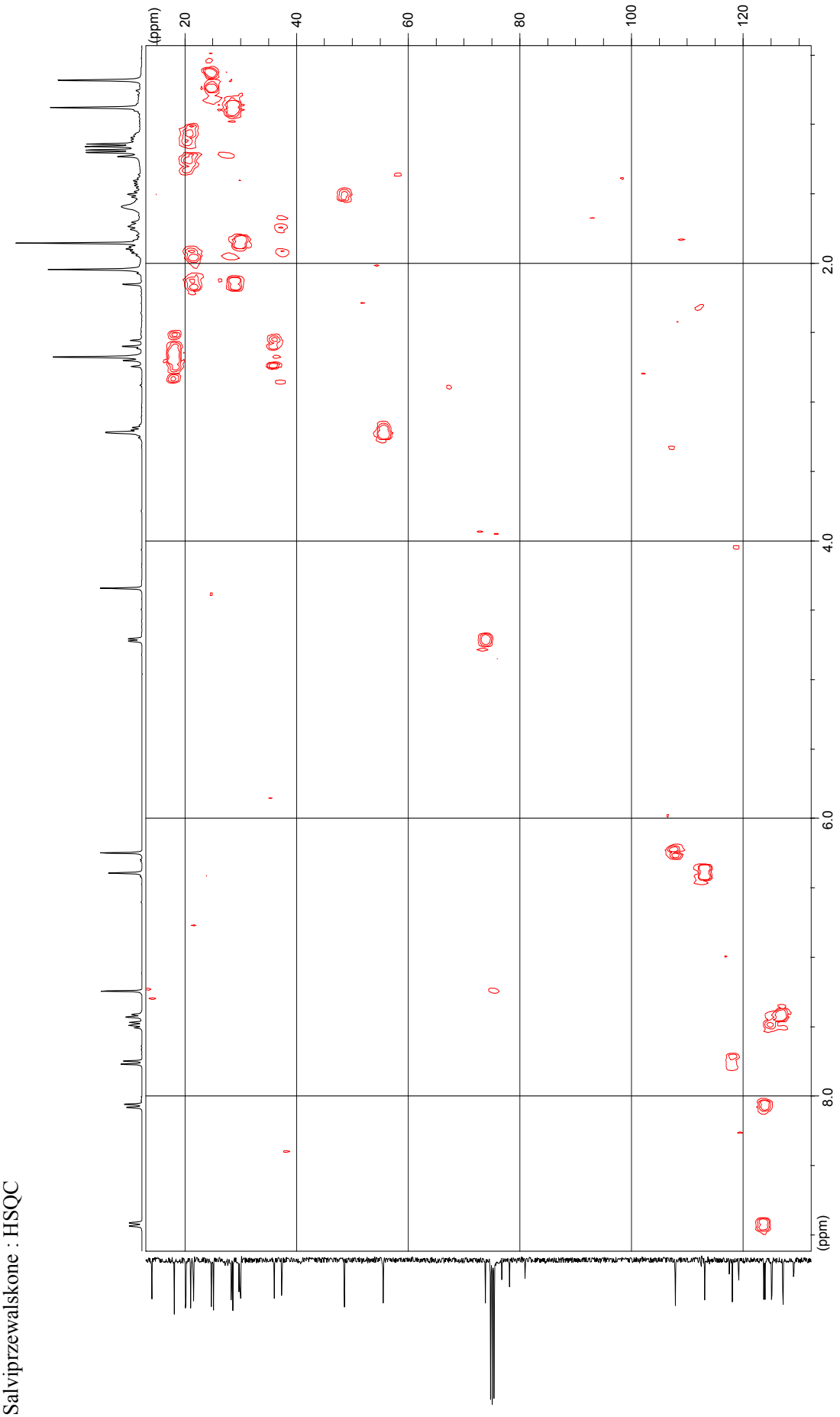
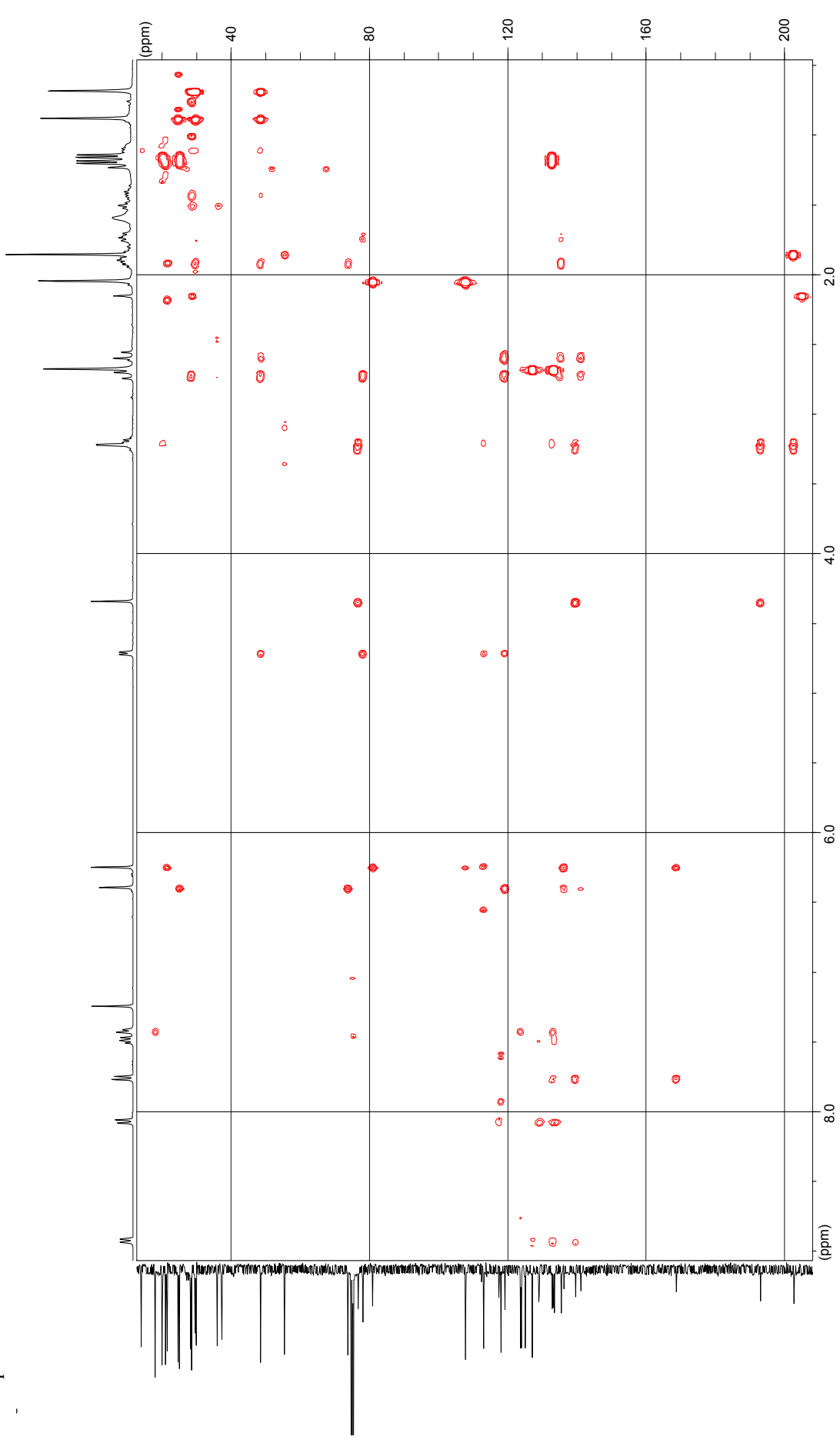
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0
3.2
(ppm)



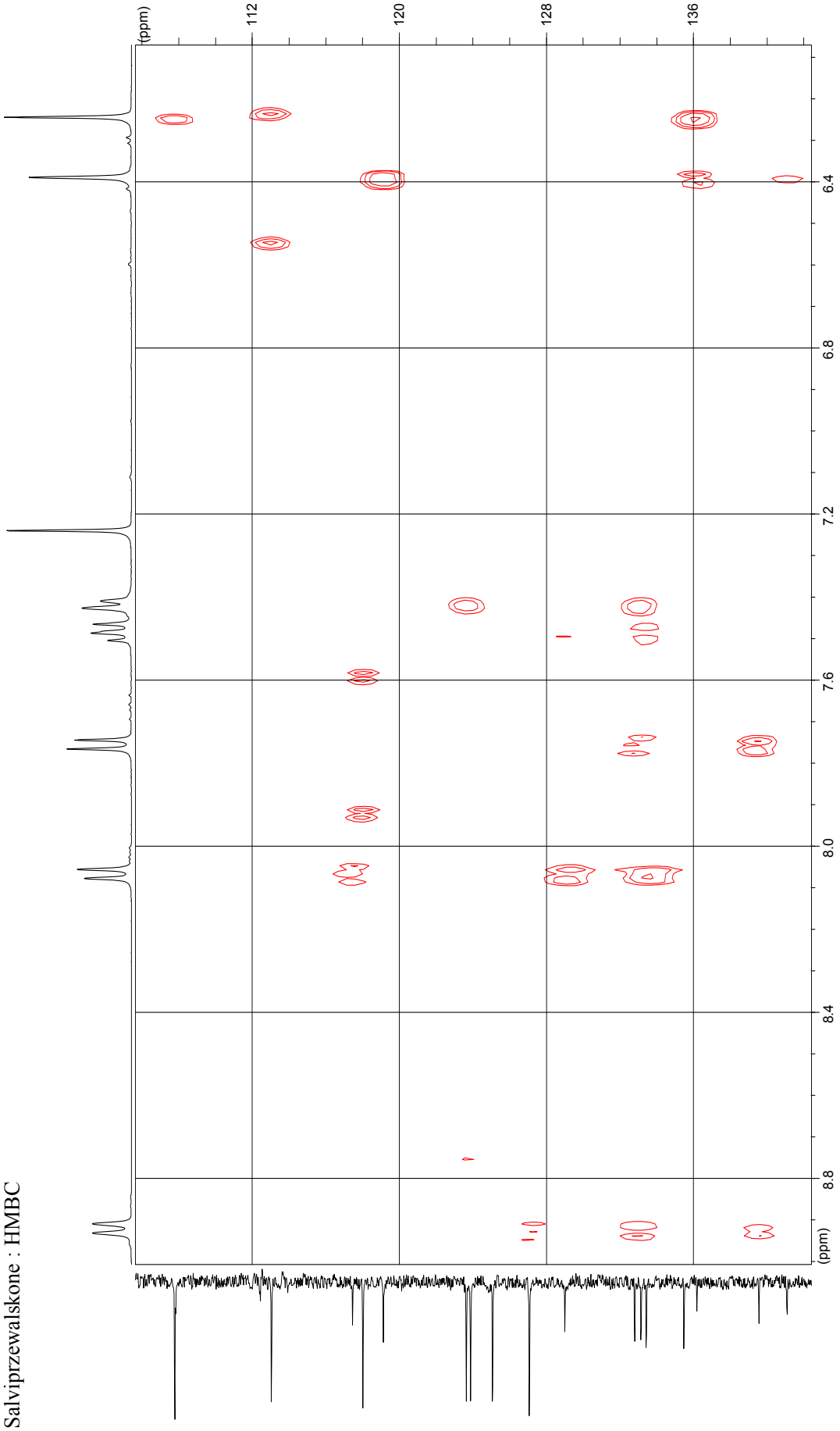
Salviprzewalskone : COSY

Salviprzewalskone : HSQC

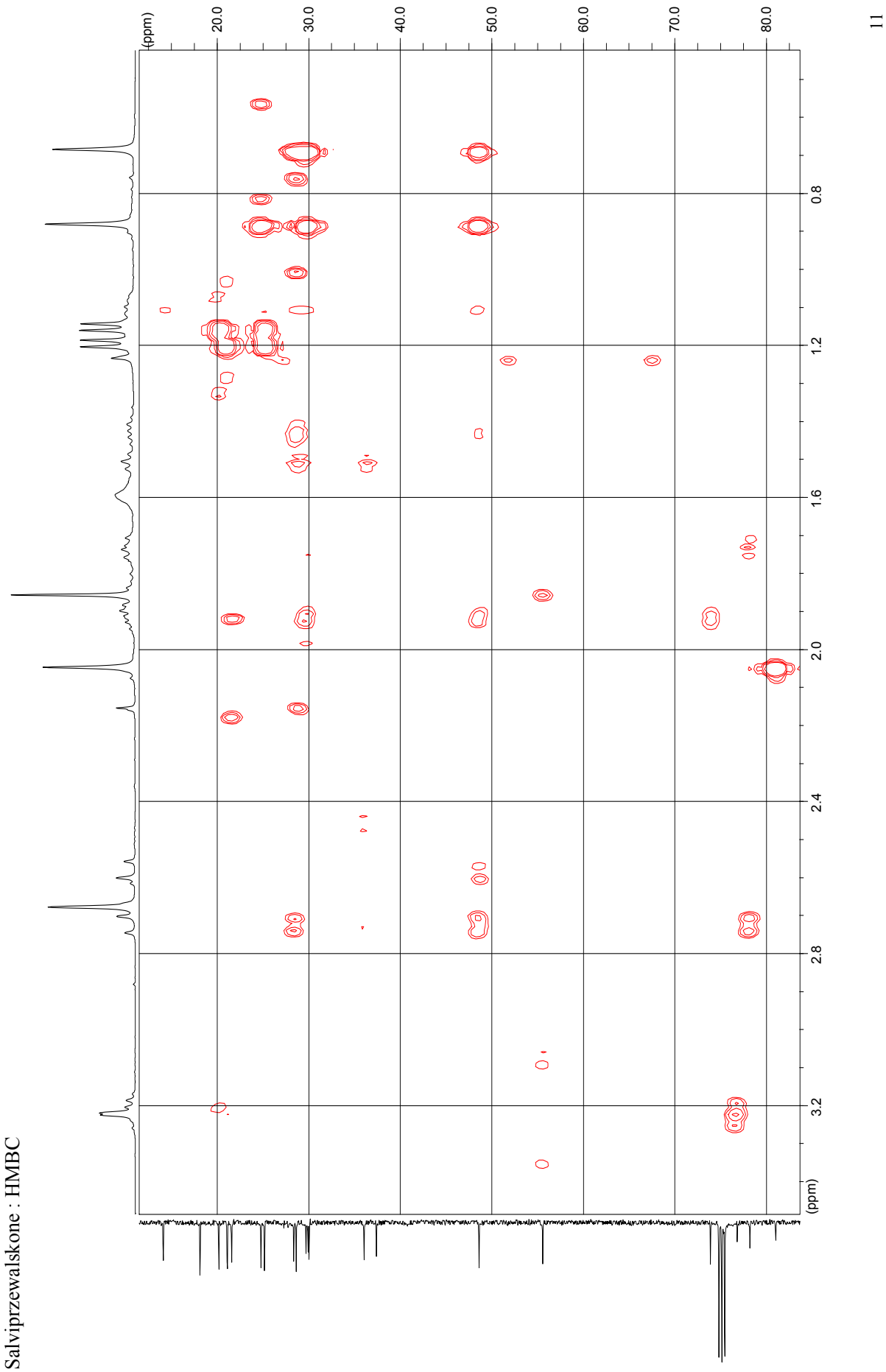




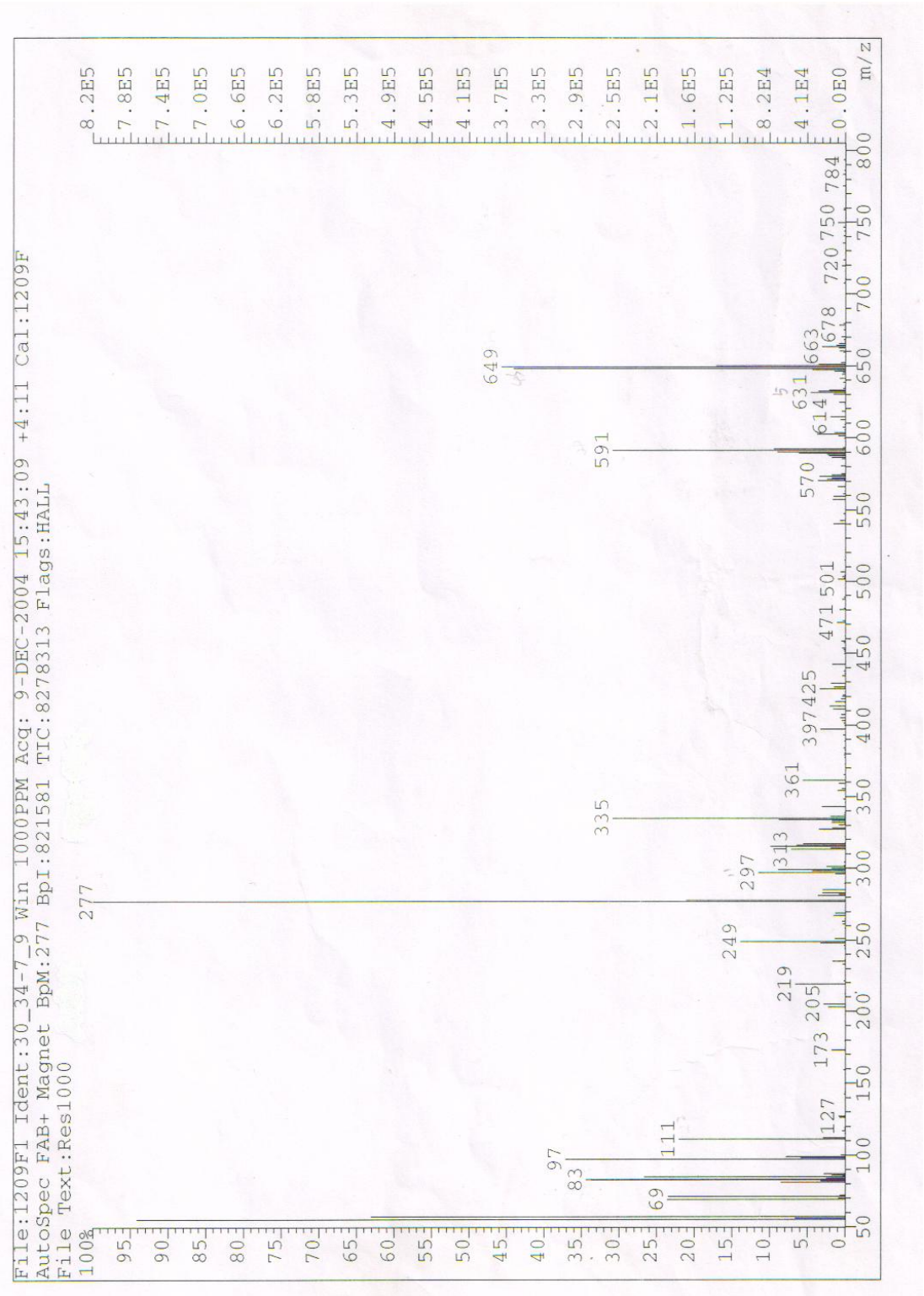
Salviprzewalskone : HMBC



Salviprzewalskone : HMBC



Salviprzewalskone : HMBC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7.0E5
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2.1E5
1.6E5
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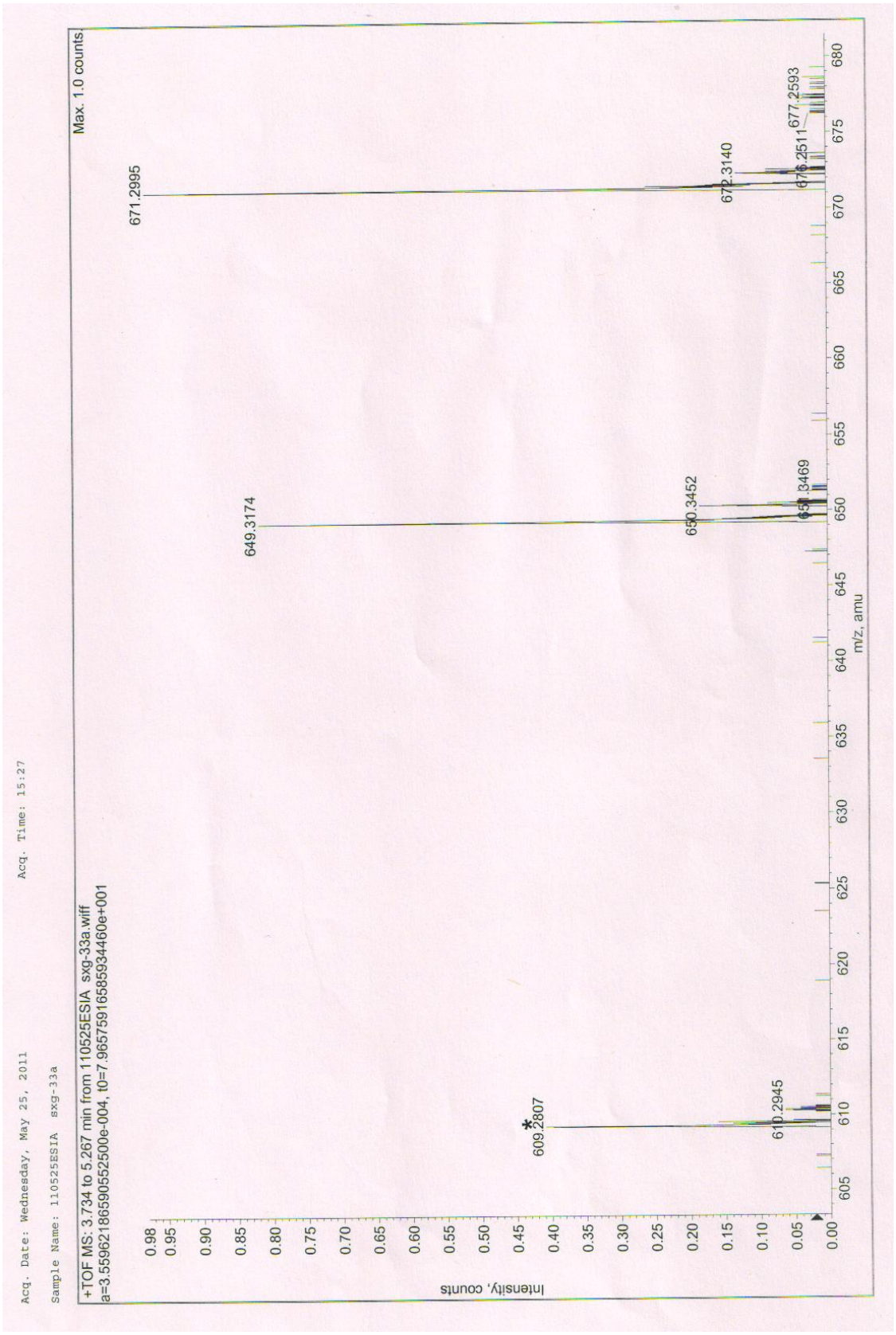
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Acq. Time: 15:27
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671.2995
672.3140
676.2511
677.2593